

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	23	("4422459" "4458692" "4802491" "5148812" "5265617" "5560370" "5935082" "6453191" "6496722" "6656126"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 10:14
S2	40	qrs near angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 12:44
S3	485	depolariz\$4 and repolariz\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 10:25
S4	6596	"sudden cardiac death" or "SCD"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 11:30
S5	2	S4 and "QRS duration" and "QT duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:58
S6	2	S4 and "QRS duration" and "T duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 10:29
S7	160	S4 and "QRS" and "QT"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:50
S8	7	"QRS duration" and "T duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 10:30
S9	3	"QRS duration" and "QT duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 10:30

## EAST Search History

S10	20	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 10:31
S11	194	S4 and (orthogonalized or vectorcardiograph or frank)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 13:22
S12	484	"cardiac vulnerability" or "electrical instability"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:45
S13	43	S12 and (orthogonalized or vectorcardiograph or frank)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:41
S14	19	"heart rate turbulence"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:45
S15	526	"first beat" and "second beat"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:45
S16	38	S15 and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:45
S17	160	S4 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:50
S18	23	S7 and "time series"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:53
S19	44	"ECG" and "vector angle"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:53

## EAST Search History

S20	236	S4 and "median"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:59
S21	13	S4 and "median beat"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 11:59
S22	1539	"R wave" and "T wave"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 12:45
S23	218	"R wave" near "T wave"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 12:45
S24	10	S4 and vectorcardiograph\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 13:18
S25	10	"qrs-t angle"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 13:44
S26	99	S4 and "time series"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 13:22
S27	25	"Frank lead system"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 14:20
S28	44	(S4 or S12) and "QRS duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 14:25
S29	21	(S4 or S12) and ("median beats" or "mean beats")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 15:36

## EAST Search History

S30	3110	(S4 or S12) and (drug)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 14:44
S31	2	("5560370").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/02 14:44
S32	4511	(S4 or S12) and (blood pressure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/02 15:36
S34	328	(607/3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/07 11:41
S35	6606	"sudden cardiac death" or "SCD"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 11:42
S36	11	S34 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:03
S37	0	S34 and "second beat"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:00
S38	8	S34 and "second signal"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:00
S39	0	S38 and S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:01
S40	1	S38 and "fibrillation"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:01

## EAST Search History

S41	3090	S35 and "drug"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:04
S42	160	S35 and "QRS" and "QT"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:04
S43	79	S42 and "drug"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/07 12:04
S44	739	(600/508).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/01 16:44
S45	1173	(600/509).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/01 16:44
S46	107	(600/512).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/01 16:45
S47	1032	600/515-519.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:45
S48	188	(S44 or S45 or S46 or S47) and "sudden cardiac death"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:48
S49	40	("4375079"   "4453226"   "4463425"   "4543632"   "4633400"   "4661913"). PN. OR ("4732157").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/01 16:46
S50	12	S49 and "sudden cardiac death"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:49

## EAST Search History

S51	276	(S44 or S45 or S46 or S47) and "repolarization" and "depolarization"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:49
S52	208	(S44 or S45 or S46 or S47) and ("repolarization" with "depolarization")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:59
S53	58	S52 and "sudden cardiac death"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:56
S54	35	"QT interval variability"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:53
S55	1237	"QT interval"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:54
S56	207	"QRS duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:53
S57	97	S55 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:53
S58	41	"QT interval" with "QRS duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:39
S59	7	S58 and "sudden cardiac death"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:57

## EAST Search History

S60	143	("3554187" "3658055" "3759248" "3821948" "3902479" "3952731" "4124894" "4136960" "4170992" "4181135" "4202340" "4316249" "4417306" "4432375" "4457315" "4458691" "4475558" "4492235" "4519395" "4583553" "4589420" "4603703" "4616659" "4665485" "4679144" "4680708" "4732157" "4796638" "4802491" "4832038" "4854327" "4860762" "4896677" "4924875" "4928690" "4938228" "4951680" "4955382" "4958641" "4972834" "4974162" "4974598" "4977899" "4979510" "4989610" "5020540" "5025795" "5042497" "5092341" "5109862" "5117833" "5117834" "5188116" "5201321" "5234404" "5253650" "5277190" "5323783" "5343870" "5423878" "5437285" "5570696" "5819741" "5921940" "0500189" "6169919").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:57
S61	1063	"repolarization" with "depolarization"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 16:59
S62	114	S61 and ((relationship or function or ratio) with depolarization)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:00
S63	91	S61 and ((relationship or function or ratio) with repolarization)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:00
S64	32	S62 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:39
S65	21	xue-joel-q.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:40
S66	1	S65 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:41

## EAST Search History

S67	4	S65 and "QT interval" and "QRS duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:41
S68	0	rowlandson-ian-g.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:41
S69	83	rowlandson.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:42
S70	3	S69 and "QT interval" and "QRS duration"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:41
S71	3	S69 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:41
S72	10	albert-david.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/01 17:47
S73	20	(("3829766") or ("3909792") or ("4023564") or ("4083366") or ("4125111") or ("4197850") or ("4232682") or ("4237897")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/01 17:48
S75	30	("4300567"   "4307725"   "4458691"   "4458692"   "4492235"   "4537201"   "4552150"   "4705043").PN. OR ("5117834").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 10:11
S76	10	("4228803"   "5228438"   "5330511"   "5476487"   "5507783"   "5514164"   "5560370"   "5772604"   "5782887"   "6029087").PN. OR ("6615083").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 11:28
S77	611	QRS with angle	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 12:54
S78	174417	T with angle	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 11:28



## EAST Search History

S79	360	S77 and S78	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 11:28
S80	6890	"sudden cardiac death" or "SCD"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 11:30
S81	2	S79 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:55
S82	13	("3884221"   "4697597"   "5331966"   "5437285"   "5560370"   "5792065"   "5803084"   "5842997"   "5921940"). PN. OR ("6438409").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 11:40
S83	4	S79 and (vulnerability or instability)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:57
S85	27	S79 and (arrhythmia or fibrillation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:02
S86	27	S79 and (arrhythmia or fibrillation or tachycardia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:55
S87	268	QRS with vector	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 12:55
S88	31927	T with vector	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 12:55
S89	143	S87 and S88	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 12:55
S90	55	S89 and (arrhythmia or fibrillation or tachycardia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:55

## EAST Search History

S91	13	S89 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:55
S92	0	S79 and "electrical stability"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:57
S93	21	S79 and "stability"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:58
S94	3	S79 and "instability"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:58
S95	78	("QRS" with angle) same area	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:11
S96	0	("QRS-t" with angle) same area	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:11
S97	0	("QRS-T" with angle) same area	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:11
S98	10	"QRS-T" with angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:14
S10 0	8	S98 and area	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:15
S10 1	27	"QRS T" with angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:15

## EAST Search History

S10 2	109	"QRST" with angle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:14
S10 3	14	("QRST" with angle) same area	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:14
S10 4	0	S102 and area and (("128"/\$.ccls.) or ("607"/\$.ccls.) or ("600"/\$.ccls.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:16
S10 5	2	("QRS T" with angle) same area	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:16
S10 6	12	S101 and area and (("128"/\$.ccls.) or ("607"/\$.ccls.) or ("600"/\$.ccls.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/23 19:16
S10 7	2	("4587976").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/26 10:41
S10 8	13	("3884221"   "4085407"   "4136690").PN. OR ("4587976").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/26 11:00
S10 9	4	("4136690").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/26 11:00
S11 0	2	("6766190").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/26 12:33
S11 1	14	("4136690"   "4478223"   "4569357"   "4587976"   "4947858"   "5312446"   "5331966"   "5458116"   "6049730"   "6052615"   "6115628"   "6230059"   "6358214").PN. OR ("6766190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/26 14:10

## EAST Search History

S11 2	19	"vectorcardiogram" and depolarization and repolarization	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/26 14:10
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